

SAN FRANCISCO, CA

390 MAIN STREET

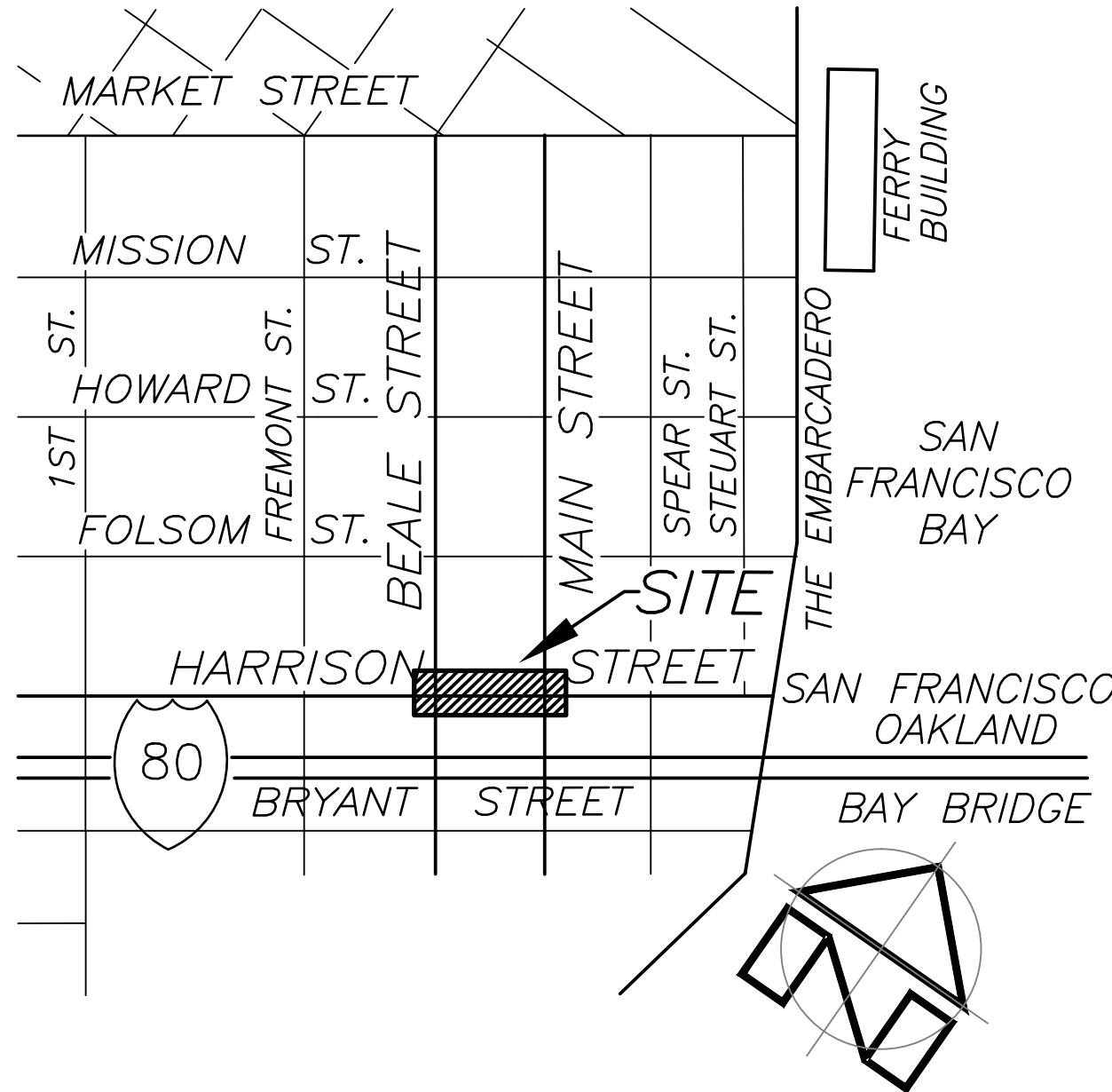
JOINT TRENCH INSTALLATION

LEGEND & ABBREVIATION

<i>CLR.</i>	CLEAR OF PROPERTY LINE		ELECTROLIER & TRAFFIC SIGNALS	<i>BUS</i>	BUS STOP SIGN
<i>OV.</i>	OVER PROPERTY LINE		TOW AWAY SIGN	<i>TOW</i>	TOW AWAY SIGN
<i>CLR.E</i>	CLEAR OF EASEMENT		MONITORING WELL	<i>MW</i>	MONITORING WELL
<i>OV.E</i>	OVER EASEMENT		TRAFFIC SIGN	<i>TR</i>	TRAFFIC SIGN
<i>BLDG.</i>	BUILDING		MAIL BOX	<i>MB</i>	MAIL BOX
<i>TC</i>	TOP OF CURB		WATER VALVE (BELOW BRIDGE)	<i>WV(B)</i>	WATER VALVE (BELOW BRIDGE)
<i>FL</i>	FLOW LINE		SEWER MANHOLE (BELOW BRIDGE)	<i>S</i>	SEWER MANHOLE (BELOW BRIDGE)
<i>BW</i>	BACK OF WALK		TRAFFIC SIGNAL PULLBOX	<i>TS</i>	TRAFFIC SIGNAL PULLBOX
<i>GB</i>	GRADE BREAK		FILLER CAPS	<i>F</i>	FILLER CAPS
<i>INV.</i>	INVERT		FILLER CAP	<i>F</i>	FILLER CAP
<i>TC(B)</i>	TOP OF CURB (BELOW BRIDGE)		GAS VALVE	<i>GV</i>	GAS VALVE
<i>FL(B)</i>	FLOW LINE (BELOW BRIDGE)		UNKNOWN COVER	<i>U</i>	UNKNOWN COVER
<i>BW(B)</i>	BACK OF WALK (BELOW BRIDGE)		UNKNOWN MANHOLE	<i>U</i>	UNKNOWN MANHOLE
<i>RIM(B)</i>	RIM (BELOW BRIDGE)		HIGH VOLTAGE ELECTRIC VAULT	<i>HVE</i>	HIGH VOLTAGE ELECTRIC VAULT
<i>R/W</i>	RIGHT OF WAY		ELECTRIC MANHOLE	<i>E</i>	ELECTRIC MANHOLE
<i>AB</i>	ASSESSOR'S BLOCK		TELEVISION PULLBOX	<i>TV</i>	TELEVISION PULLBOX
<i>CONC.</i>	CONCRETE		WATER METER	<i>WM</i>	WATER METER
<i>CLF</i>	CHAIN LINK FENCE		CATCH BASIN	<i>CB</i>	CATCH BASIN
<i>CW</i>	CONCRETE WALL		CATCH BASIN	<i>C/O</i>	CATCH BASIN
<i>CLDG.</i>	CONCRETE LANDING		Light		Light
<i>ASPH.</i>	ASPHALT		ELECTROLIER		ELECTROLIER
<i>PS</i>	PARKING SPACE		PARKING METER	<i>PM</i>	PARKING METER
<i>PP</i>	"PRIVATE PARKING" SIGN		DOUBLE PARKING METER	<i>PM(2)</i>	DOUBLE PARKING METER
<i>HR</i>	HANDICAP RAMP		STREET LIGHT PULLBOX	<i>SL</i>	STREET LIGHT PULLBOX
<i>GP</i>	GUARD POST		BIKE RACK	<i>BIKE</i>	BIKE RACK
	JOINT POLE		TRASH CAN	<i>TRASH</i>	TRASH CAN
	JOINT POLE W/(4)RISERS		NO PARKING SIGN	<i>NP</i>	NO PARKING SIGN
	GUY WIRE & ANCHOR		FIRE HYDRANT		FIRE HYDRANT
	SEWER VENT		HIGH PRESSURE WATER VALVE	<i>HPWV</i>	HIGH PRESSURE WATER VALVE
	ELECTRIC PULLBOX		SEWER MANHOLE	<i>S</i>	SEWER MANHOLE
	ELECTRIC PULLBOX		MANHOLE COVER MARKED "S"	<i>MH</i>	MANHOLE COVER MARKED "S"
	ELECTRIC PULLBOX		BORING HOLE	<i>B-3"</i>	BORING HOLE
	ELECTRIC PULLBOX		BUS SHELTER PULLBOX	<i>BUS</i>	BUS SHELTER PULLBOX

GENERAL NOTES

- THE LAYOUT OF JOINT TRENCH IS DIAGRAMMATIC. CONTRACTOR SHALL MAKE ALL NECESSARY FIELD CHANGES TO ACCOMMODATE WITH EXISTING FIELD CONDITION. PROVIDE ALL NECESSARY WORK FOR OFF-SETS, CHANGES OF DIRECTION AND ELEVATION TO AVOID CONFLICTS WITH EXISTING AND NEW FACILITIES AND WORK TO BE PROVIDED BY OTHER DIVISIONS.
- PROVIDE ALL REQUIRED TRENCHING INCLUDING DEEPER TRENCHES TO ALLOW CONDUIT OFF-SETS, AND CHANGE OF ELEVATIONS, CONDUIT CROSSING, CONNECTIONS TO MANHOLES AND PULL BOXES FOR A COMPLETE INSTALLATION.
- ALL CONNECTIONS TO MANHOLES AND PULL BOXES SHALL COMPLY WITH UTILITY COMPANIES REQUIREMENTS. COORDINATE ALL WORK WITH UTILITY COMPANIES.
- UTILITY STANDARD PRACTICES FOR TRENCHING SHALL APPLY TO ALL TRENCHING, BACK FILLING AND INSTALLATION WORK.
- THE CONTRACTOR IS RESPONSIBLE TO HAVE ALL INSTALLATIONS INSPECTED AND APPROVED BY THE RESPECTIVE UTILITY COMPANY, MUNICIPALITY, OR SOILS ENGINEER PRIOR TO ANY BACK FILLING. (48 HOURS MINIMUM NOTICE)
- SHOULD A DISPUTE OR DISAGREEMENT OVER ANY INSTALLATION, DESIGN, PLAN, OR DRAWING OCCUR THE SPECIFICATIONS AND REQUIREMENTS OF THE INDIVIDUAL UTILITY COMPANY AND THEIR INSPECTOR SHALL TAKE PRECEDENCE.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES. LACK OF TIMELINESS ON THE PART OF ANY UTILITY COMPANY SHALL NOT BE THE BASIS FOR ANY REQUEST FOR ADDITIONAL COMPENSATION.
- THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSIDERED TO BE COMPLEMENTARY TO ONE ANOTHER. ANYTHING MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS SHALL BE CONSIDERED OF LIKE EFFECT AS IF APPEARING IN BOTH. CONTACT THE OWNER PRIOR TO START OF WORK IF A DISCREPANCY IS FOUND.
- CONSULT PARTICIPATING UTILITIES, SOILS ENGINEER, AND THE CITY OF SAN FRANCISCO FOR APPROVED BACK FILL MATERIAL. COMPACTION TO MEET LOCAL AGENCIES REQUIREMENTS.
- CONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES AND REGULATIONS. CONTRACTOR SHALL BE FAMILIAR WITH O.S.H.A. INDUSTRIAL ORDERS AND SHALL CONDUCT HIS WORK ACCORDINGLY. WHEN WORKING ENERGIZED EQUIPMENT, THE UTILITY OWNER SHALL BE NOTIFIED TO SUPPLY THE APPROPRIATE MANPOWER AND SAFETY PRECAUTIONS AS NEEDED THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY AND TRAFFIC CONTROL MEASURES.
- THE CONTRACTOR SHALL MAINTAIN POINTS OF ACCESS THAT ARE AGREEABLE TO ADJACENT LAND USERS AND TENANTS AT ALL TIMES.
- CONTRACT DOCUMENTS ASSUMES NO RESPONSIBILITY FOR THE PROJECT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE PROJECT AND SITE PRIOR TO SUBMITTING HIS BID.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF CONSTRUCTION WITH THE RESPECTIVE UTILITY AGENCIES, ALLOWING 48 HOURS PRIOR TO THE NEED FOR INSTALLATION.
- ALL LENGTHS SHOWN ON THESE PLANS ARE ESTIMATES. FINAL QUANTITIES SHALL BE BASED ON WHAT WILL BE NEEDED TO COMPLETE THIS PROJECT. DUE TO CHANGES, ADDITIONS, DELETIONS OR OMISSIONS FINAL QUANTITIES MAY VARY.
- THE CONTRACTOR IS RESPONSIBLE TO PROTECT IN PLACE ALL EXISTING FACILITIES. EXCAVATION MAY BE REQUIRED OVER, UNDER OR ADJACENT TO EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, EXPOSING AND PROTECTING ALL EXISTING FACILITIES.
- THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS AFTER INSTALLATION.
- ALL CONDUIT ENTRANCE TO MANHOLE, PULL BOX, & VAULTS SHALL BE WATER PROOFED. ALL INSTALLATION SHALL CONFORM TO REQUIREMENTS OF UTILITY COMPANIES AND COMMUNICATION SERVICE PROVIDER.
- IN THE STREET, ALL CONDUITS SHALL BE INSTALLED WITH MINIMUM OF 36" COVERAGE. EXCEPTIONS SHALL BE APPROVED BY THE CITY AND UTILITY COMPANY AUTHORIZED AGENTS. PROVIDE 4" THICK RED DYE CONCRETE CAP ABOVE CONDUITS WHICH DO NOT HAVE 36" COVERAGE.
- THE CONTRACTOR, PRIOR TO BIDDING, SHALL VISIT THE JOB SITE TO BE FAMILIARIZED WITH THE EXISTING UTILITIES INSTALLATIONS, CONDITIONS, AND SYSTEMS RELATED TO THE SCOPE OF WORK.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, FEES AND EQUIPMENT SPECIFIED, INDICATED OR IMPLIED IN THESE DOCUMENTS TO ACCOMPLISH THE CONSTRUCTION IN A PROFESSIONAL, WORKMANLIKE MANNER. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION TASKS INDICATED AND LOCAL CODES AND/OR ORDINANCES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR RESOLUTION BEFORE PRECEDING WITH THE WORK AT ISSUE.



VICINITY MAP

NO SCALE

SHEET INDEX

ITEM NO.	SHEET NO.	TITLE	NOTES
1	E-0.1	COVER SHEET, GENERAL NOTES, LEGEND AND ABBREVIATION, DRAWING INDEX	
2	E-1.1	EXISTING CONDITIONS	
3	E-1.2	EXISTING CONDITIONS. SECTION VIEW	
4	E-2.1	COMPOSITE PROPOSED JOINT TRENCH LAYOUT	
5	E-2.2	COMPOSITE PROPOSED JOINT TRENCH LAYOUT	
6	E-3.1	PG&E JOINT TRENCH LAYOUT	
7	E-3.2	COMCAST JOINT TRENCH LAYOUT	
8	E-3.3	DT JOINT TRENCH LAYOUT	
9	E-4.1	MAIN ST. TRENCH SECTION VIEW	
10	E-4.2	TRENCH SECTION	

- THE CONTRACTOR SHALL REVIEW AND COORDINATE WITH OTHER DISCIPLINES DRAWINGS RELATED TO THE PROJECT FOR OTHER WORK TO BE PROVIDED.
- ANY WORK INSTALLED INCORRECTLY, OR BEFORE APPROVAL HAS BEEN OFFICIALLY GRANTED FOR THOSE ITEMS AT ISSUE, SHALL BE CORRECTED BY THE CONTRACTOR AT NO CHARGE TO CLIENT.
- ALL MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR SHALL BE NEW AND COMPLETELY SERVICEABLE UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH EXISTING CONDITIONS BEFORE STARTING NEW WORK. VERIFY FINAL PLACEMENT AND CONNECTION REQUIREMENTS PRIOR TO ROUGHING-IN EQUIPMENT.
- FINAL ACCEPTANCE OF WORK IN PLACE SHALL BE SUBJECT TO APPROVAL BY OWNER'S REPRESENTATIVE AND ENGINEER. INSTALLATION APPROVAL SHALL BE BASED ON APPROVED SUBMITTAL. SHOP DRAWINGS AND LOCAL INSPECTION.
- ALL JOINT TRENCH CONDUIT SHALL COMPLY WITH PG&E GREEN BOOK 2013.
- CONTRACTOR SHALL INSTALL 3/4" x 10' GROUND RODS IN ALL PRIMARY SUBSURFACE ENCLOSURES AND 5/8" x 10' GROUND RODS IN ALL SECONDARY SUBSURFACE ENCLOSURES. THE RESISTANCE AT THE GROUND ROD SHALL MEET ARTICLE 250.56 NEC.
- ALL CONDUIT SYSTEMS SHALL BE PROVEN BY USING MANDRELS.
- ALL CONDUITS SHALL ENTER AND LEAVE ON THE SIDES OF THE PRIMARY ENCLOSURES.
- PRIMARY AND SECONDARY CONCRETE ENCLOSURES SHOULD NOT BE INSTALLED IN ANY DRIVEWAY (AREAS).
- WEDGE REDUCERS ARE REQUIRED IF THE CONDUIT KNOCKOUTS ARE 6" AND THE CONDUITS ARE 4".
- ALL WORK INCLUDING SIDEWALK AND PAVEMENT CUTTING AND REMOVAL, LAGGING, EXCAVATION, BACKFILL, AND SIDEWALK AND PAVEMENT RESTORATION SHALL BE DONE BY A LICENSED PAVING CONTRACTOR AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF THE BUREAU OF ENGINEERING, DEPARTMENT OF PUBLIC WORKS, JULY 1986 EDITION AND DEPARTMENT OF PUBLIC WORKS ORDER NOS. 135.595 OR 135.596.

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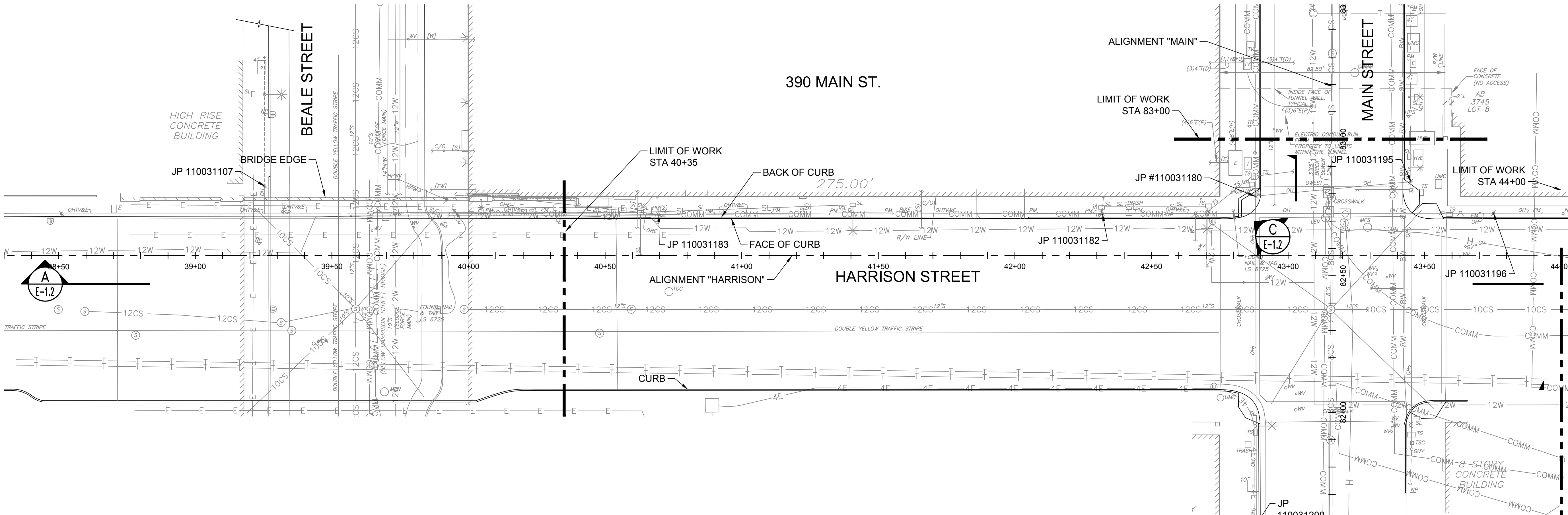


06/17/2014

SAN FRANCISCO
390 MAIN STREET
JOINT TRENCH INSTALLATION
COVER SHEET, GENERAL NOTES
LEGEND AND ABBREVIATION
DRAWING INDEX

DATE:	06-03-2014
SCALE:	AS SHOWN
DRAWN BY:	
PROJECT NO:	XX

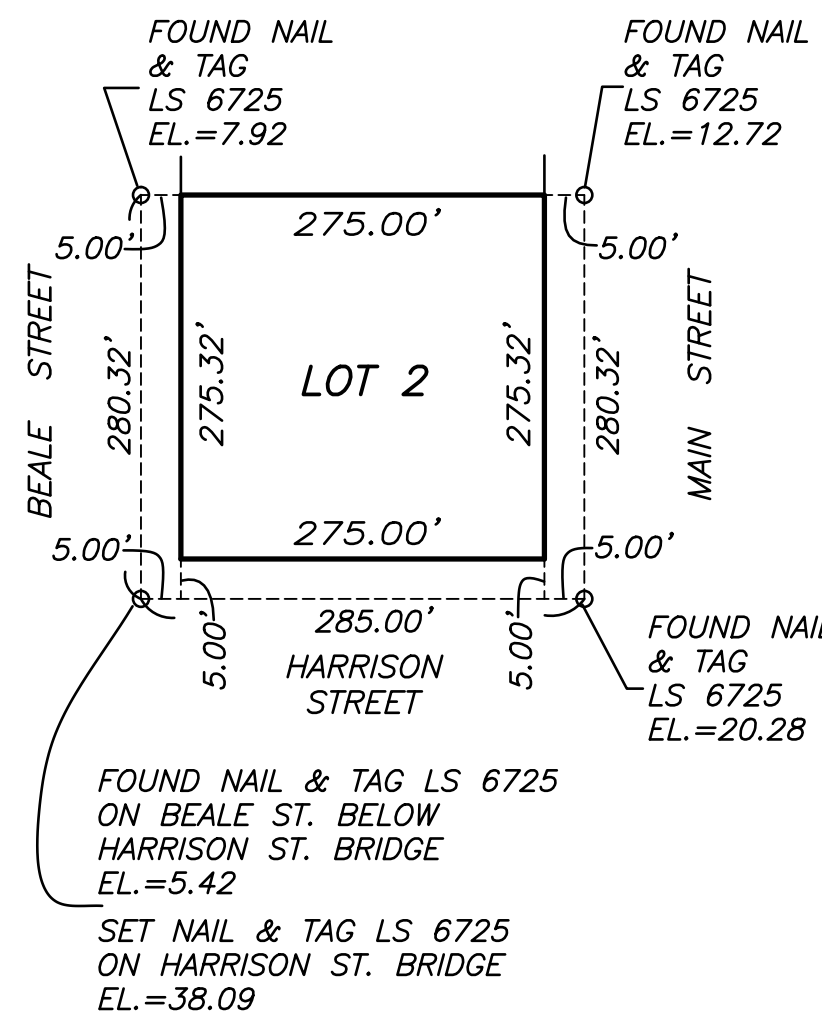
SHEET #
E-0.1
DWG 1 OF 10



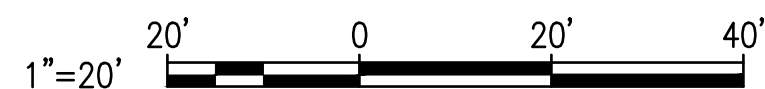
A
E-1.1 **TOPOGRAPHIC SITE PLAN**
SCALE: 1" = 20'

SITE SURVEY
AT
390 MAIN STREET

- PHOTO #
SHEET #
SECTION #
SHEET #
- LEGEND:**
- A** CAMERA VIEW
 - E-XX** SECTION VIEW
 - P** PG&E PRIMARY CONDUIT
 - S** PG&E SECONDARY CONDUIT
 - C** COMCAST CONDUIT
 - DT** DEPARTMENT OF TECHNOLOGY CONDUIT
 - XX** TRENCH SECTION VIEW LOCATION



CONTROL DETAIL
NO SCALE



LEGAL DESCRIPTION

ALL THAT REAL PROPERTY SITUATED IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS

PARCEL A, AS SAID PARCEL IS SHOWN ON THE MAP RECORDED JULY 15, 2008 IN BOOK 47 OF PARCEL MAPS, PAGES 142 AND 143, SAN FRANCISCO COUNTY RECORDS.

BEING PART OF 100 VARA BLOCK NO. 332.

ASSESSOR'S LOT 002; BLOCK 3746

SURVEY REFERENCE

FIRST AMERICAN TITLE INSURANCE COMPANY PRELIMINARY REPORT NO. NCS-497391-CC, DATED JULY 11, 2011.

THE FOLLOWING IS AN EXCEPTION TO TITLE WITHIN THE ABOVE REFERENCED PRELIMINARY REPORT:

4 AN EASEMENT IN FAVOR OF THE CITY AND COUNTY OF SAN FRANCISCO FOR CONCRETE PIERS THAT SUPPORT THE HARRISON STREET BRIDGE RECORDED APRIL 29, 1936, IN BOOK 2955, PAGE 104, OFFICIAL RECORDS. PLOTTED HEREON.

BASIS OF SURVEY

CITY OF SAN FRANCISCO MONUMENT MAP NO. 317 ON FILE IN THE OFFICE OF THE CITY AND COUNTY SURVEYOR.

GENERAL NOTES

- DETAILS NEAR PROPERTY LINES MAY NOT BE TO SCALE.
- ALL PROPERTY LINE ANGLES ARE 90 DEGREES UNLESS NOTED OTHERWISE.
- DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.
- ELEVATIONS ARE ON SAN FRANCISCO CITY DATUM.

SAN FRANCISCO

CALIFORNIA

SCALE: 1" = 16'	MARTIN M. RON ASSOCIATES LAND SURVEYORS 859 HARRISON STREET, SUITE 200 SAN FRANCISCO, CA 94107 (415) 543-4500	SURV: JR/DD
DATE: 3/6/12		DES.
SHEET: 1		DRW.: JP
OF: 1		CHK.: BR
JOB NO. S-7982		REV NO.

UTILITY NOTES

- THE UTILITIES EXISTING ON THE SURFACE AND SHOWN ON THIS DRAWING HAVE BEEN LOCATED BY FIELD SURVEY. ALL UNDERGROUND UTILITIES SHOWN ON THIS DRAWING ARE FROM RECORDS OF THE VARIOUS UTILITY COMPANIES AND THE SURVEYOR DOES NOT ASSUME RESPONSIBILITY FOR THEIR COMPLETENESS, INDICATED LOCATION OR SIZE. RECORD UTILITY LOCATION SHOULD BE CONFIRMED BY EXPOSING THE UTILITY. DUE TO THE PROLIFERATION OF TELECOMMUNICATION COMPANIES, NOT ALL UNDERGROUND RECORDS ARE AVAILABLE. THEREFORE, THERE MAY BE TELECOMMUNICATION LINES NOT SHOWN HEREON.
- UNDERGROUND UTILITY LINES SHOWN IN BRACKETS [] ARE PER VISIBLE INSPECTION, AVAILABLE BUILDING PLANS OR PER THE BUILDING ENGINEER. LOCATIONS ARE APPROXIMATE. NOT ALL UTILITY LINES ARE SHOWN HEREON.
- ALL UNDERGROUND UTILITIES SHOWN ARE TRACED BY URBAN DESIGN CONSULTING ENGINEERS (UDCE) FROM RECORD INFORMATION RECEIVED PER "NOTICE OF INTENT" REQUEST TYPICALLY USED IN SAN FRANCISCO. UTILITIES SHOWN ARE SCHEMATIC, FOR REFERENCE, AND ONLY REFLECTS INFORMATION RECEIVED FROM UTILITY AGENCIES.

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390 MAIN STREET
JOINT TRENCH INSTALLATION

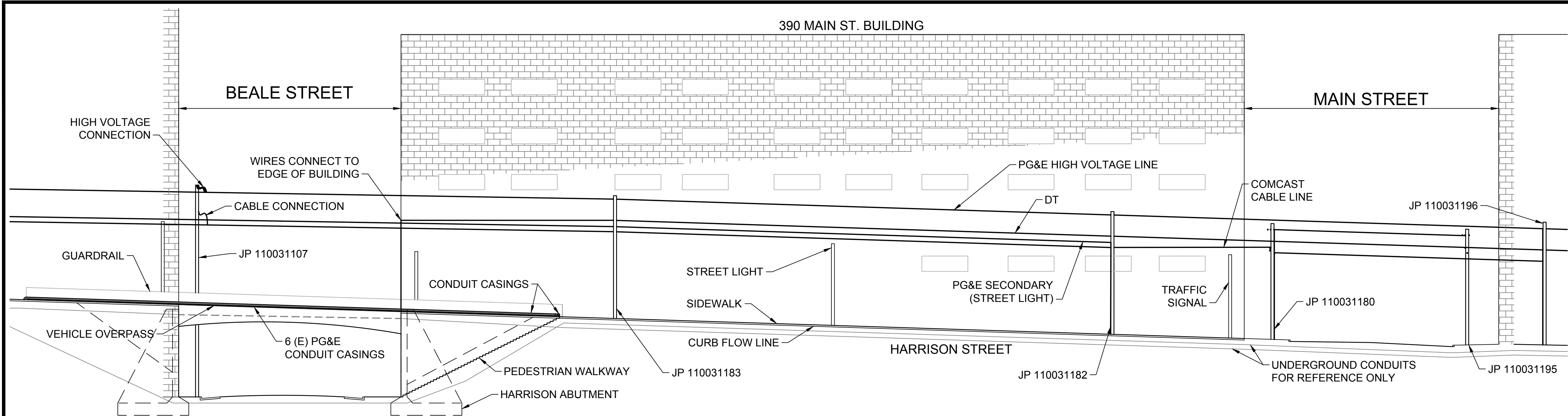
EXISTING CONDITIONS

DATE: 06-03-2014
SCALE: AS SHOWN
DRAWN BY: XX
PROJECT NO:

SHEET #

E-1.1

DWG 2 OF 10



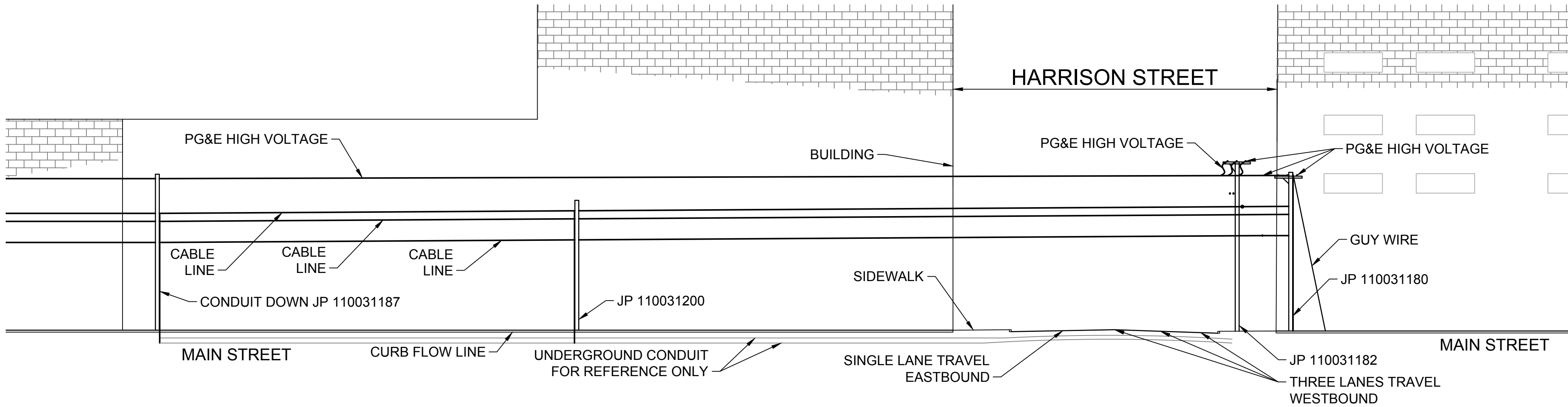
**SECTION VIEW
HARRISON LOOKING NORTHERLY**
SCALE: NTS

NOTES:

1. SECTIONS ARE SHOWN FOR REFERENCE ONLY AND DO NOT INCLUDE ALL STREET INFRASTRUCTURE.
2. SEE DRAWING E-1.1 FOR SECTION LOCATIONS.



**PICTURE A
JP #110031180**
SCALE: N.T.S.



SECTION VIEW MAIN LOOKING WESTERLY
SCALE: NTS

DATE:
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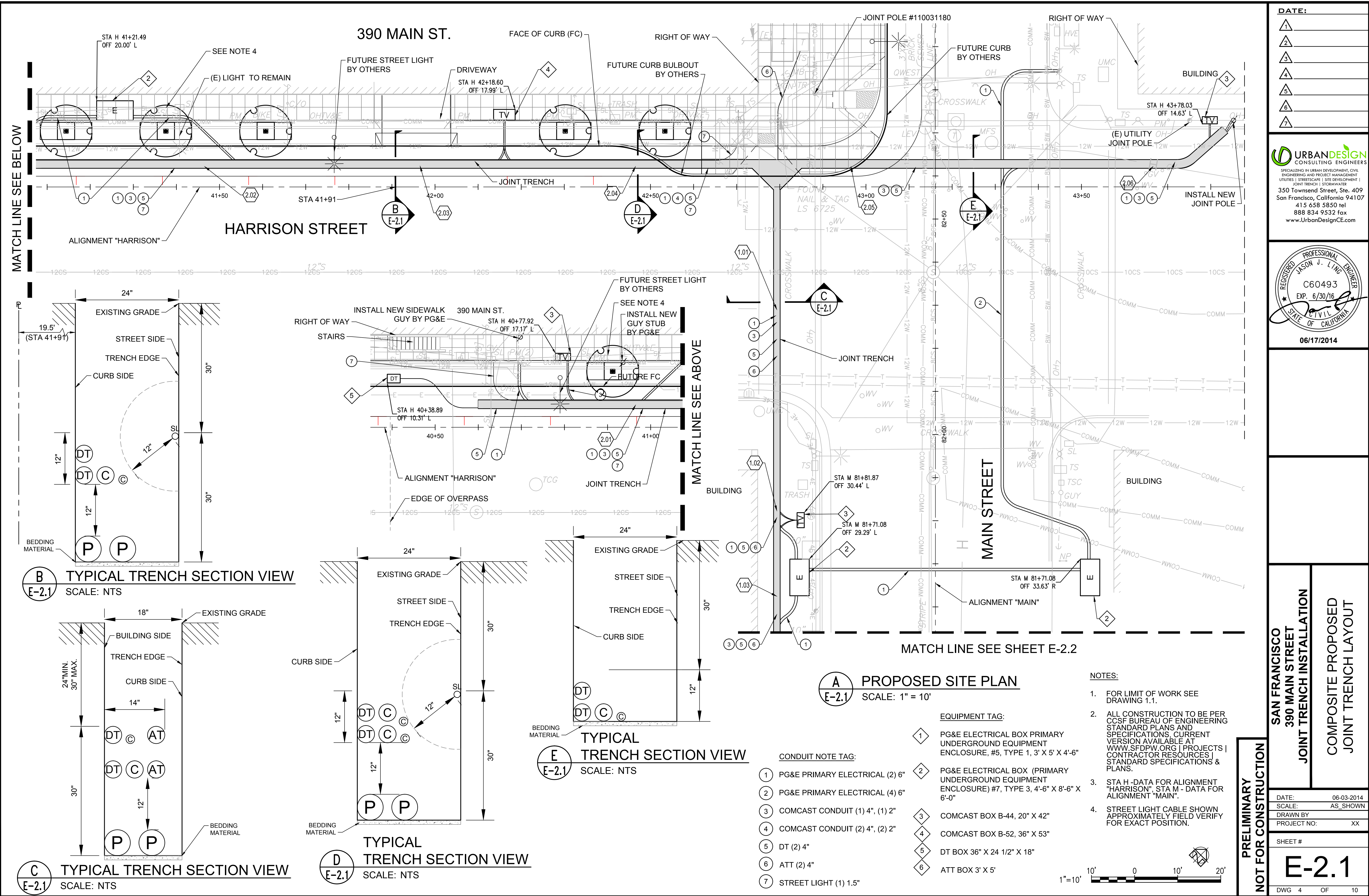
**SAN FRANCISCO
390 MAIN STREET
JOINT TRENCH INSTALLATION**

**EXISTING CONDITIONS
SECTION VIEW**

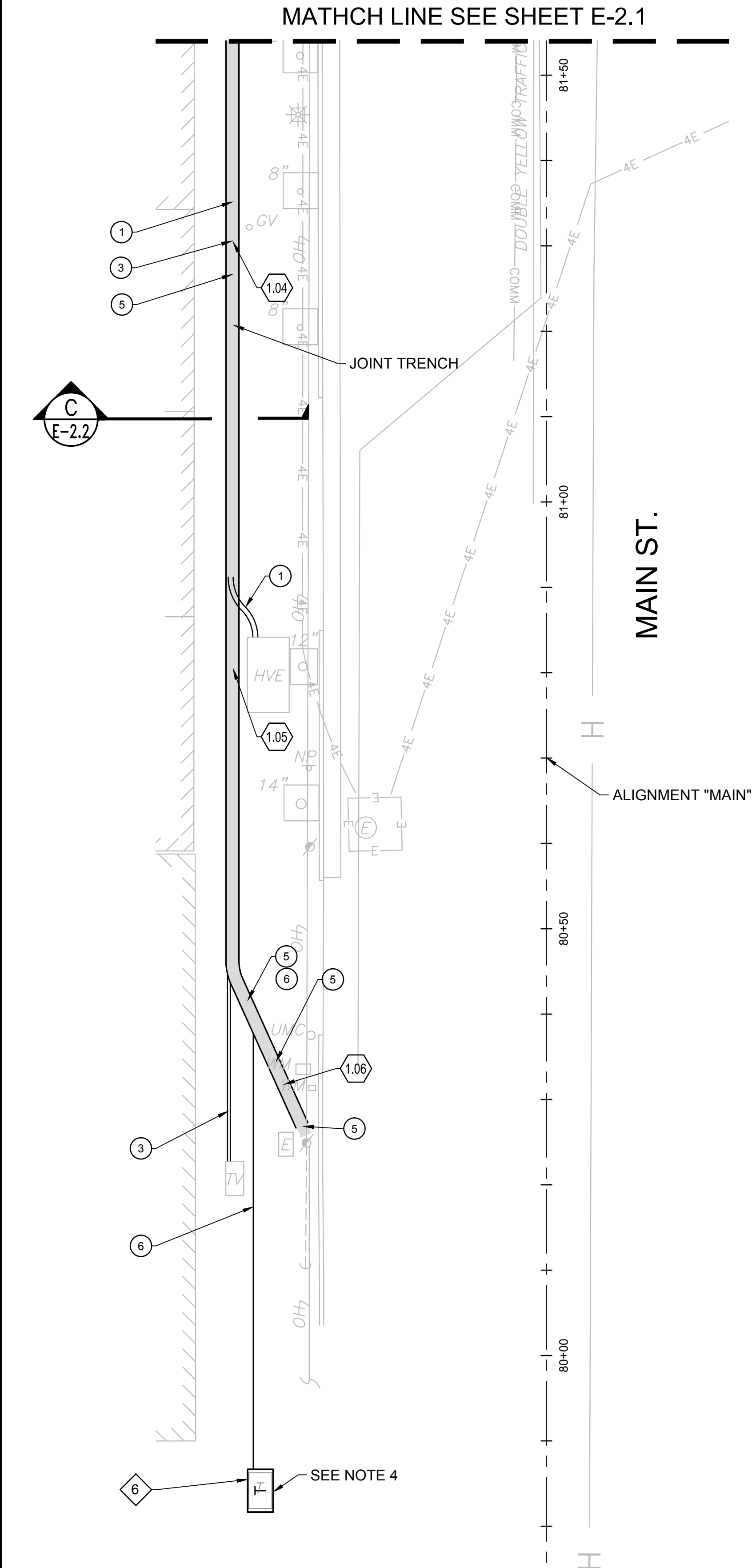
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PROJECT NO: XX

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E-1.2
DWG 3 OF 10

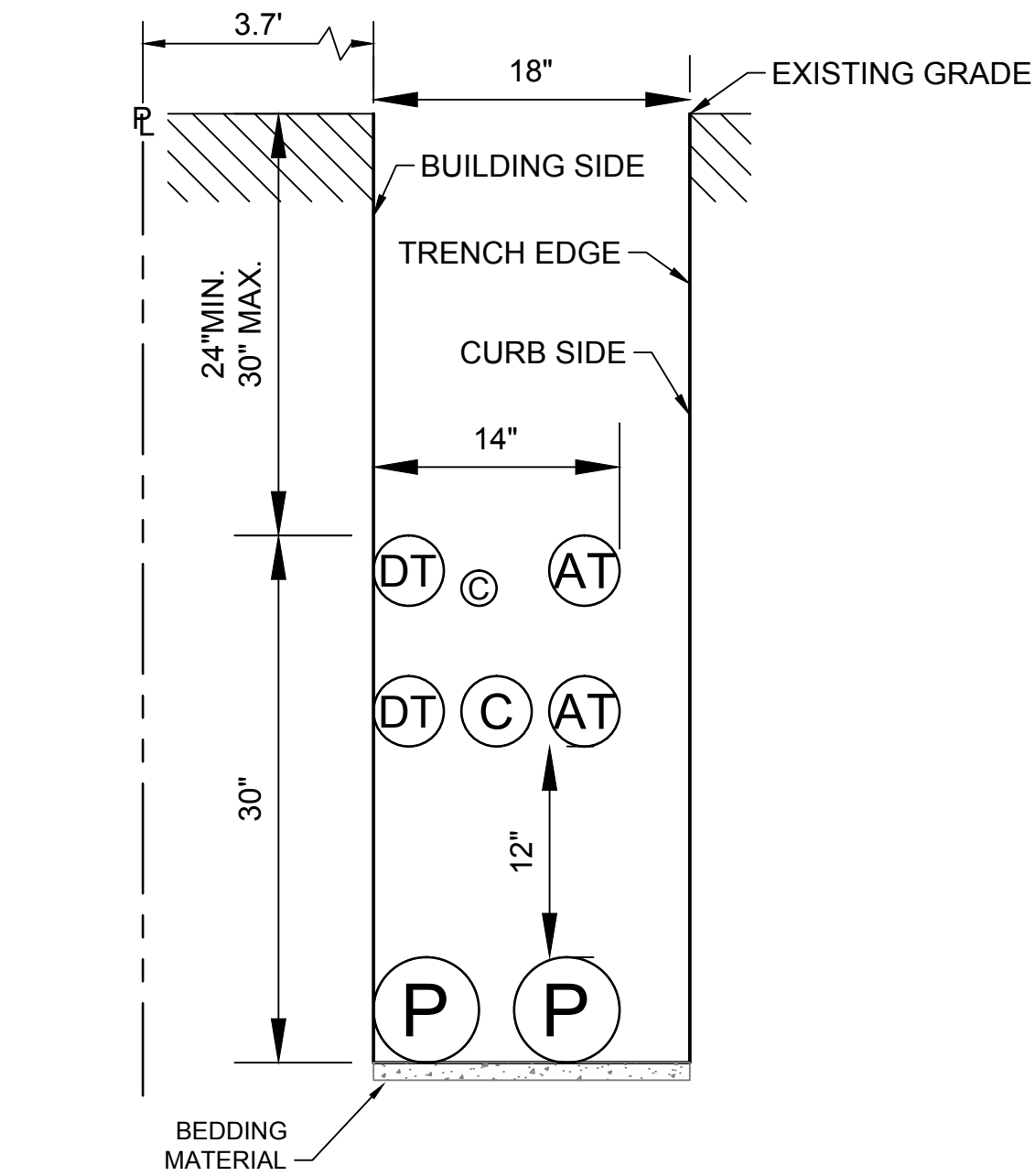
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A
E-2.2 PROPOSED SITE PLAN
SCALE: 1" = 10'



C
E-2.2 TYPICAL TRENCH SECTION VIEW
SCALE: 1" = 10'

EQUIPMENT TAG:

- 1 PG&E ELECTRICAL BOX PRIMARY UNDERGROUND EQUIPMENT ENCLOSURE, #5, TYPE 1, 3' X 5' X 4'-6"
- 2 PG&E ELECTRICAL BOX (PRIMARY UNDERGROUND EQUIPMENT ENCLOSURE) #7, TYPE 3, 4'-6" X 8'-6" X 6'-0"
- 3 COMCAST BOX B-44, 20" X 42"
- 4 COMCAST BOX B-52, 36" X 53"
- 5 DT BOX 36" X 24 1/2" X 18"
- 6 ATT BOX 3' X 5'

CONDUIT NOTE TAG:

- 1 PG&E PRIMARY ELECTRICAL (2) 6"
- 2 PG&E PRIMARY ELECTRICAL (4) 6"
- 3 COMCAST CONDUIT (1) 4", (1) 2"
- 4 COMCAST CONDUIT (2) 4", (2) 2"
- 5 DT (2) 4"
- 6 ATT (2) 4"

NOTES:

1. FOR LIMIT OF WORK SEE DRAWING 1.1.
2. ALL CONSTRUCTION TO BE PER CCSF BUREAU OF ENGINEERING STANDARD PLANS AND SPECIFICATIONS, CURRENT VERSION AVAILABLE AT WWW.SFDPW.ORG | PROJECTS | CONTRACTOR RESOURCES | STANDARD SPECIFICATIONS & PLANS.
3. STA H - DATA FOR ALIGNMENT "HARRISON", STA M - DATA FOR ALIGNMENT "MAIN".
4. REPLACE EXISTING 24" X 42" BOX WITH 3' X 5' ONE. EXISTING AT&T BOX LOCATION IS APPROXIMATE. FIELD VERIFY EXACT LOCATION.

1"=10' 10' 0 10' 20'



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06/17/2014

SAN FRANCISCO
390 MAIN STREET
JOINT TRENCH INSTALLATION

COMPOSITE PROPOSED
JOINT TRENCH LAYOUT

PRELIMINARY
NOT FOR CONSTRUCTION

DATE: 06-03-2014
SCALE: AS SHOWN
DRAWN BY
PROJECT NO: XX

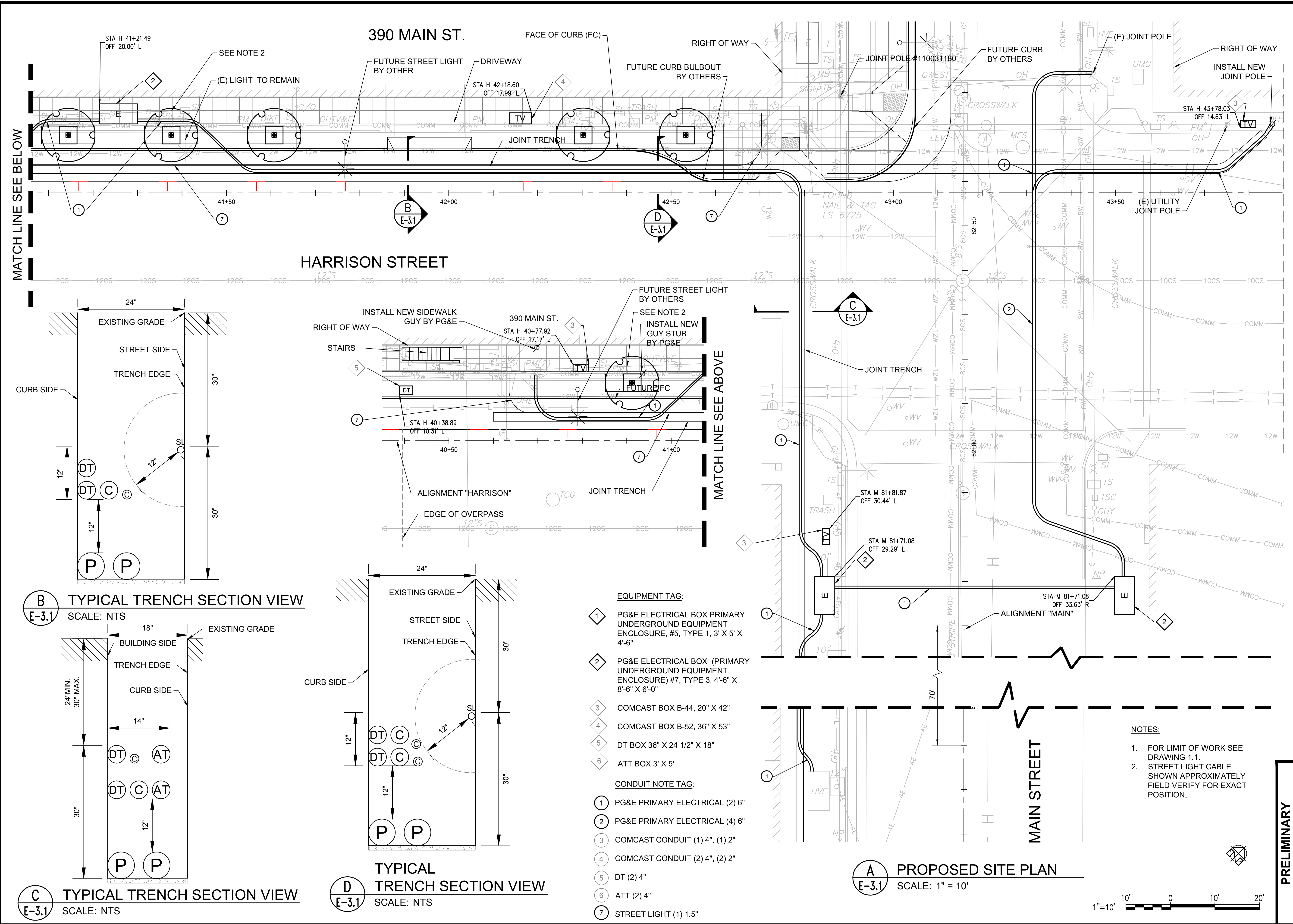
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E-2.2

DWG 5 OF 10

6/17/2014 2:43 PM

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REGISTERED PROFESSIONAL ENGINEER
JASON J. LING
C60493
EXP. 6/30/16
STATE OF CALIFORNIA
06/17/2014

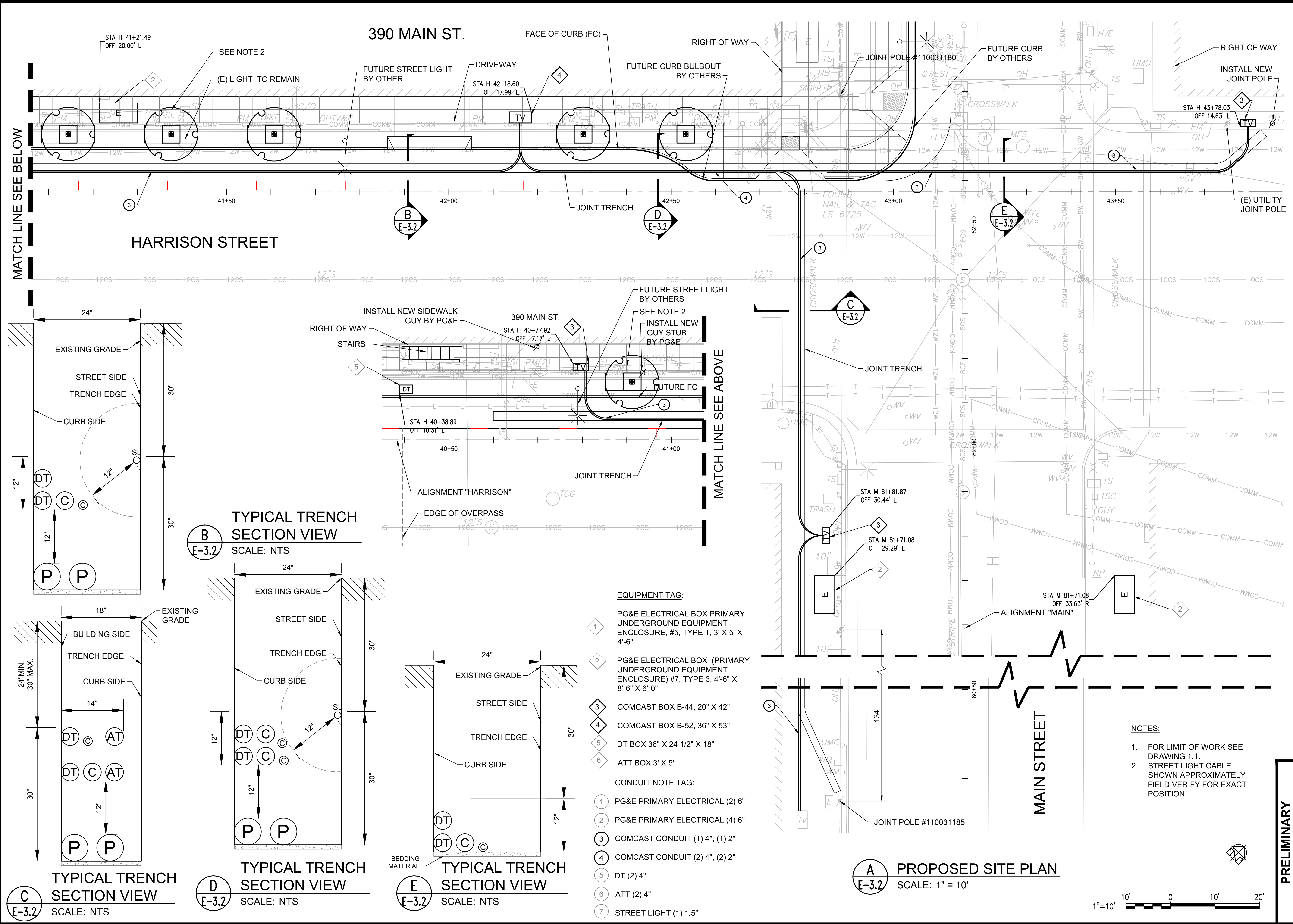
SAN FRANCISCO
390 MAIN STREET
JOINT TRENCH INSTALLATION

PG&E
JOINT TRENCH LAYOUT

PRELIMINARY
NOT FOR CONSTRUCTION

DATE: 06-03-2014
SCALE: AS SHOWN
DRAWN BY:
PROJECT NO: XX
SHEET #
E-3.1
DWG 6 OF 10

U:\Projects\130917 390 Main S&D Drawings\01 Sheets\E-3.2 COMCAST LAYOUT.dwg



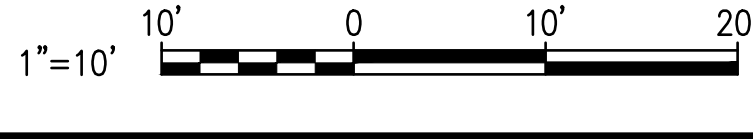
C
E-3.2
TYPICAL TRENCH SECTION VIEW
SCALE: NTS

D
E-3.2
TYPICAL TRENCH SECTION VIEW
SCALE: NTS

E
E-3.2
TYPICAL TRENCH SECTION VIEW
SCALE: NTS

- EQUIPMENT TAG:**
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 - 4 COMCAST CONDUIT (2) 4", (2) 2"
 - 5 DT (2) 4"
 - 6 ATT (2) 4"
 - 7 STREET LIGHT (1) 1.5"

A
E-3.2
PROPOSED SITE PLAN
SCALE: 1" = 10'



- NOTES:**
1. FOR LIMIT OF WORK SEE DRAWING 1.1.
 2. STREET LIGHT CABLE SHOWN APPROXIMATELY FIELD VERIFY FOR EXACT POSITION.

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CONSULTING ENGINEERS

SPECIALIZING IN URBAN DEVELOPMENT, CIVIL
ENGINEERING AND PROJECT MANAGEMENT
UTILITIES | STREETSCAPE | SITE DEVELOPMENT |
JOINT TRENCH | STORMWATER

350 Townsend Street, Ste. 409
San Francisco, California 94107
415 658 5850 tel
888 834 9532 fax
www.UrbanDesignCE.com

REGISTERED PROFESSIONAL ENGINEER
JASON J. LING
C60493
EXP. 6/30/16
STATE OF CALIFORNIA
06/17/2014

**PRELIMINARY
NOT FOR CONSTRUCTION**

**SAN FRANCISCO
390 MAIN STREET
JOINT TRENCH INSTALLATION**

**COMCAST
JOINT TRENCH LAYOUT**

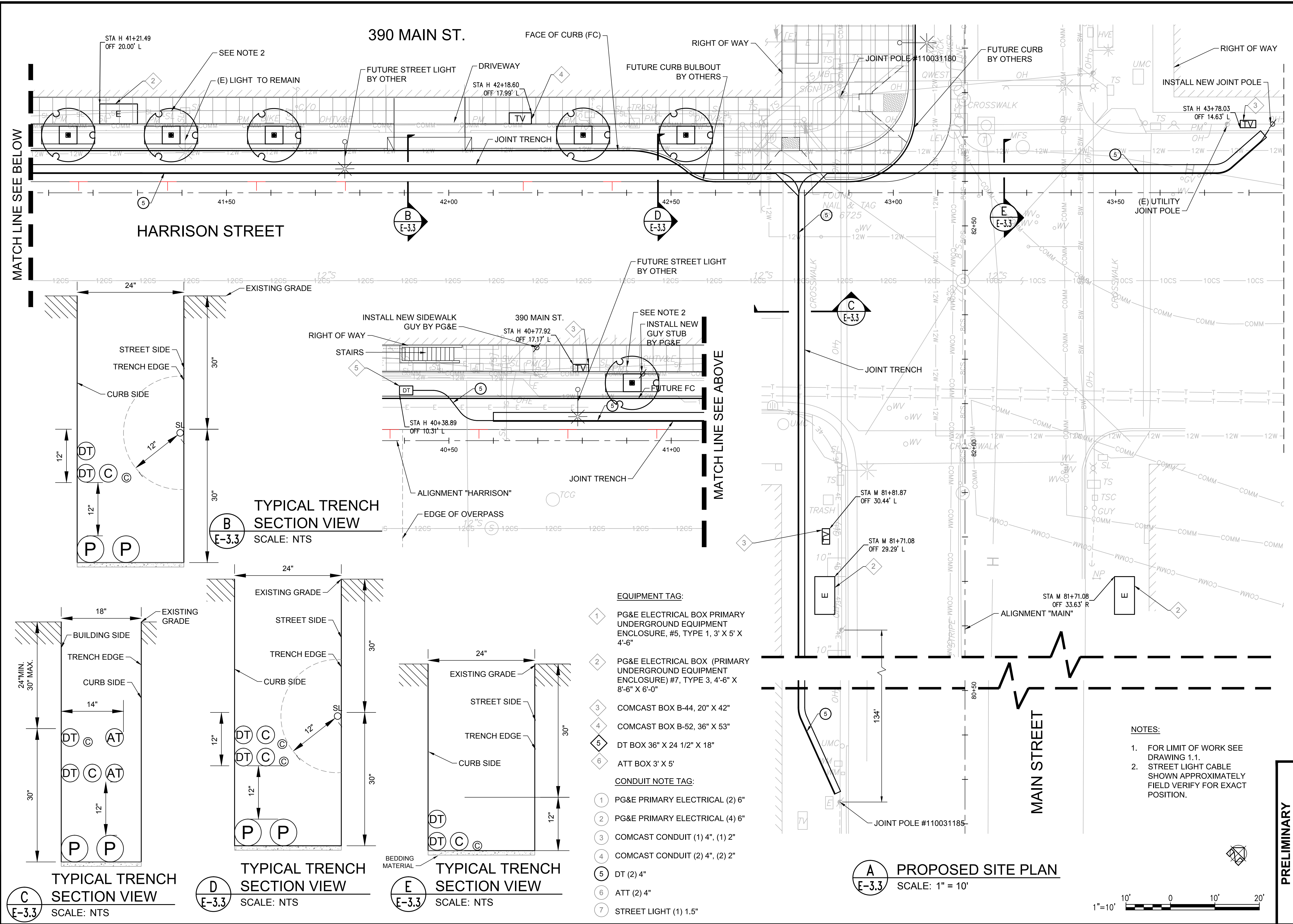
DATE: 06-03-2014
SCALE: AS SHOWN
DRAWN BY:
PROJECT NO: XX

SHEET #

E-3.2

DWG 7 OF 10

U:\Projects\130917 390 Main S&D Drawings\01 Sheets\E-3.3 DT LAYOUT.dwg



C
E-3.3

TYPICAL TRENCH SECTION VIEW
SCALE: NTS

D
E-3.3

TYPICAL TRENCH SECTION VIEW
SCALE: NTS

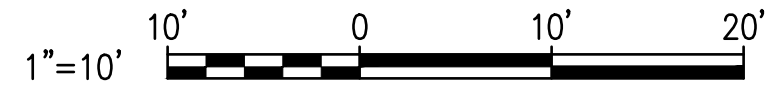
E
E-3.3

TYPICAL TRENCH SECTION VIEW
SCALE: NTS

- EQUIPMENT TAG:**
- 1 PG&E ELECTRICAL BOX PRIMARY UNDERGROUND EQUIPMENT ENCLOSURE, #5, TYPE 1, 3' X 5' X 4'-6"
 - 2 PG&E ELECTRICAL BOX (PRIMARY UNDERGROUND EQUIPMENT ENCLOSURE) #7, TYPE 3, 4'-6" X 8'-6" X 6'-0"
 - 3 COMCAST BOX B-44, 20" X 42"
 - 4 COMCAST BOX B-52, 36" X 53"
 - 5 DT BOX 36" X 24 1/2" X 18"
 - 6 ATT BOX 3' X 5'
- CONDUIT NOTE TAG:**
- 1 PG&E PRIMARY ELECTRICAL (2) 6"
 - 2 PG&E PRIMARY ELECTRICAL (4) 6"
 - 3 COMCAST CONDUIT (1) 4", (1) 2"
 - 4 COMCAST CONDUIT (2) 4", (2) 2"
 - 5 DT (2) 4"
 - 6 ATT (2) 4"
 - 7 STREET LIGHT (1) 1.5"

A
E-3.3

PROPOSED SITE PLAN
SCALE: 1" = 10'



- NOTES:**
- FOR LIMIT OF WORK SEE DRAWING 1.1.
 - STREET LIGHT CABLE SHOWN APPROXIMATELY FIELD VERIFY FOR EXACT POSITION.

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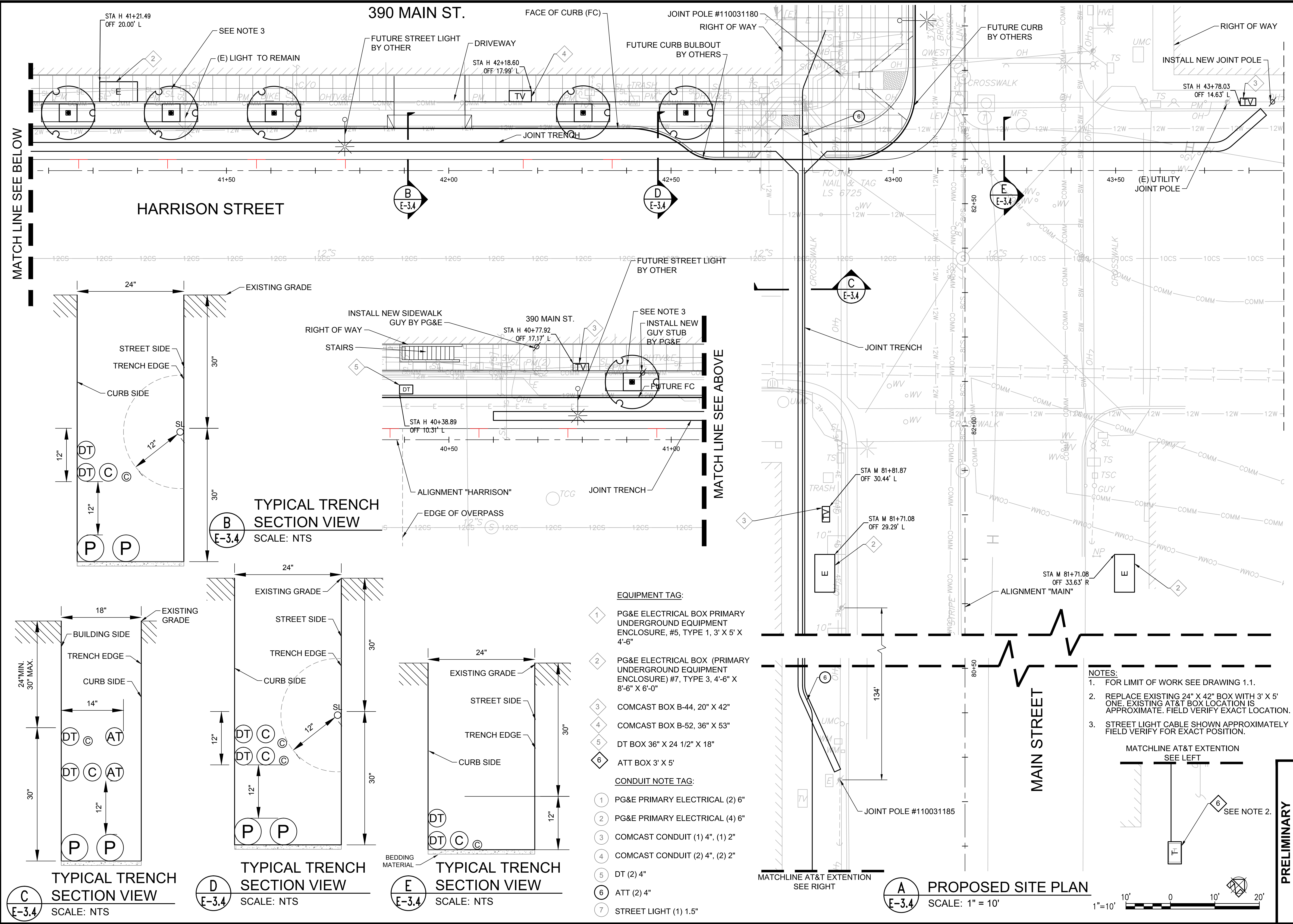


SAN FRANCISCO
390 MAIN STREET
JOINT TRENCH INSTALLATION
DT
JOINT TRENCH LAYOUT

DATE:	06-03-2014
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DWG 8	OF 10

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U:\Projects\130917 390 Main S&D Drawings\01 Sheets\E-3.4 ATT LAYOUT.dwg



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ATT
TRENCH LAYOUT

PRELIMINARY
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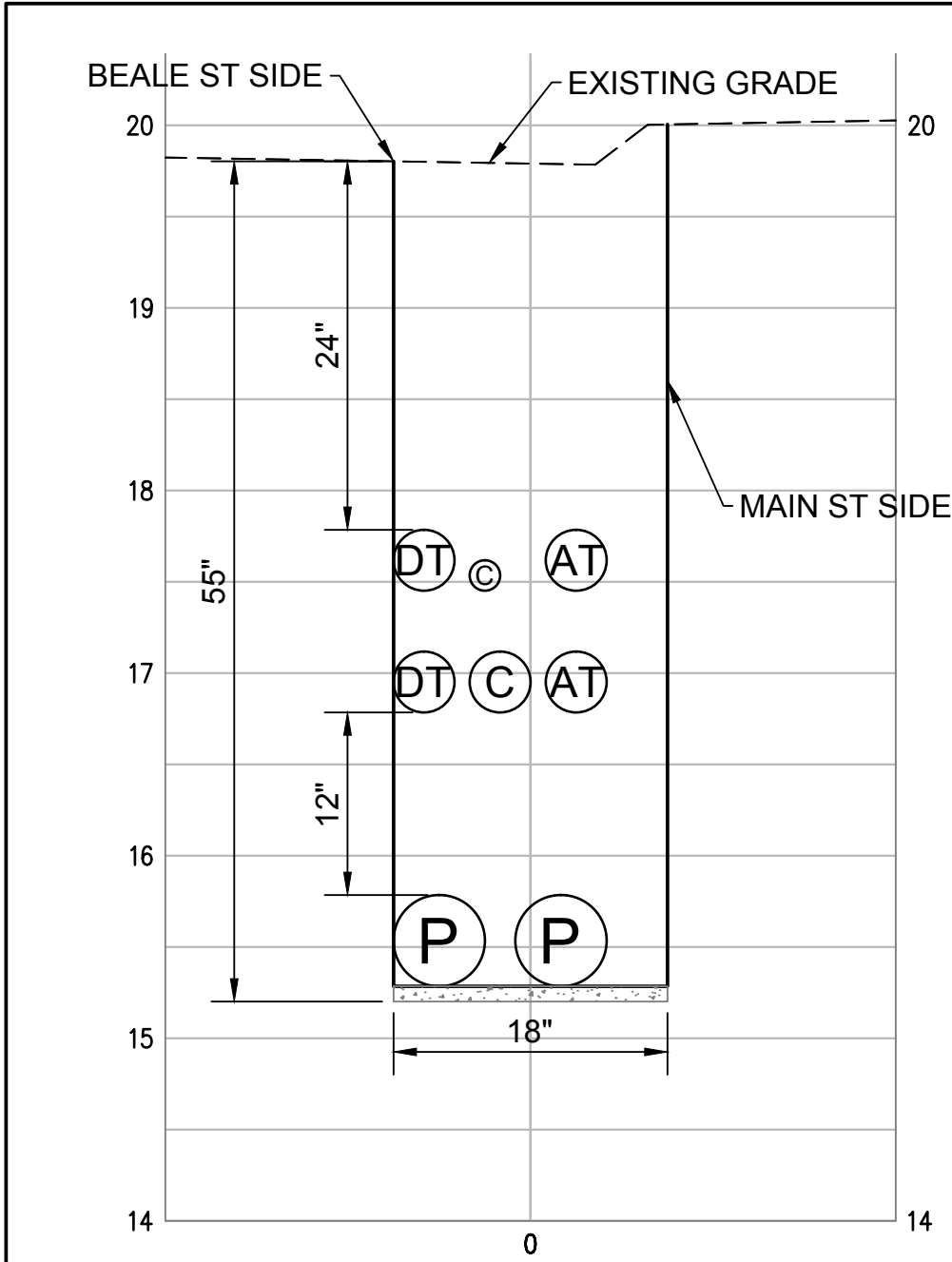
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PROJECT NO: XX

SHEET #

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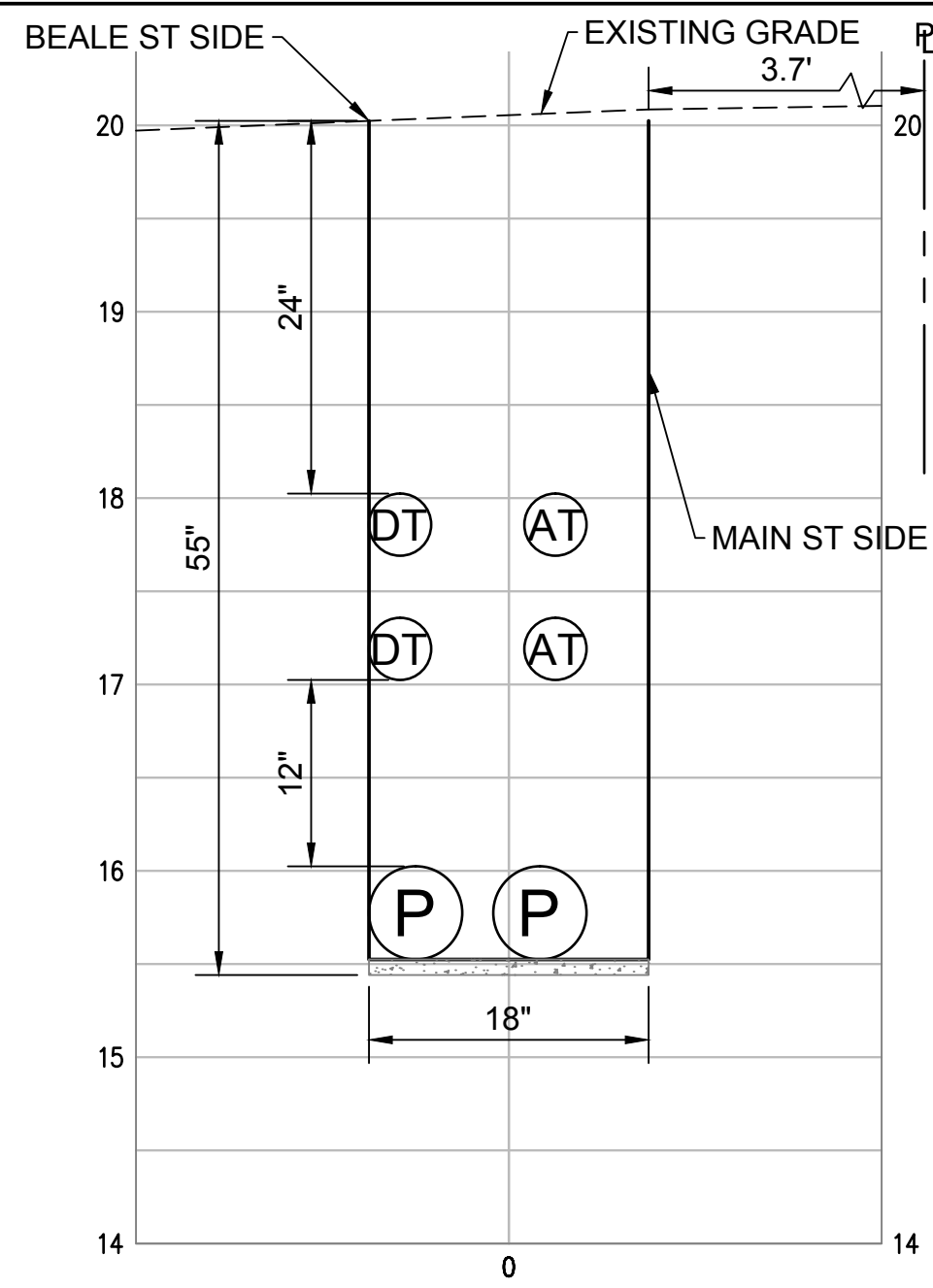
DWG 8 OF 10

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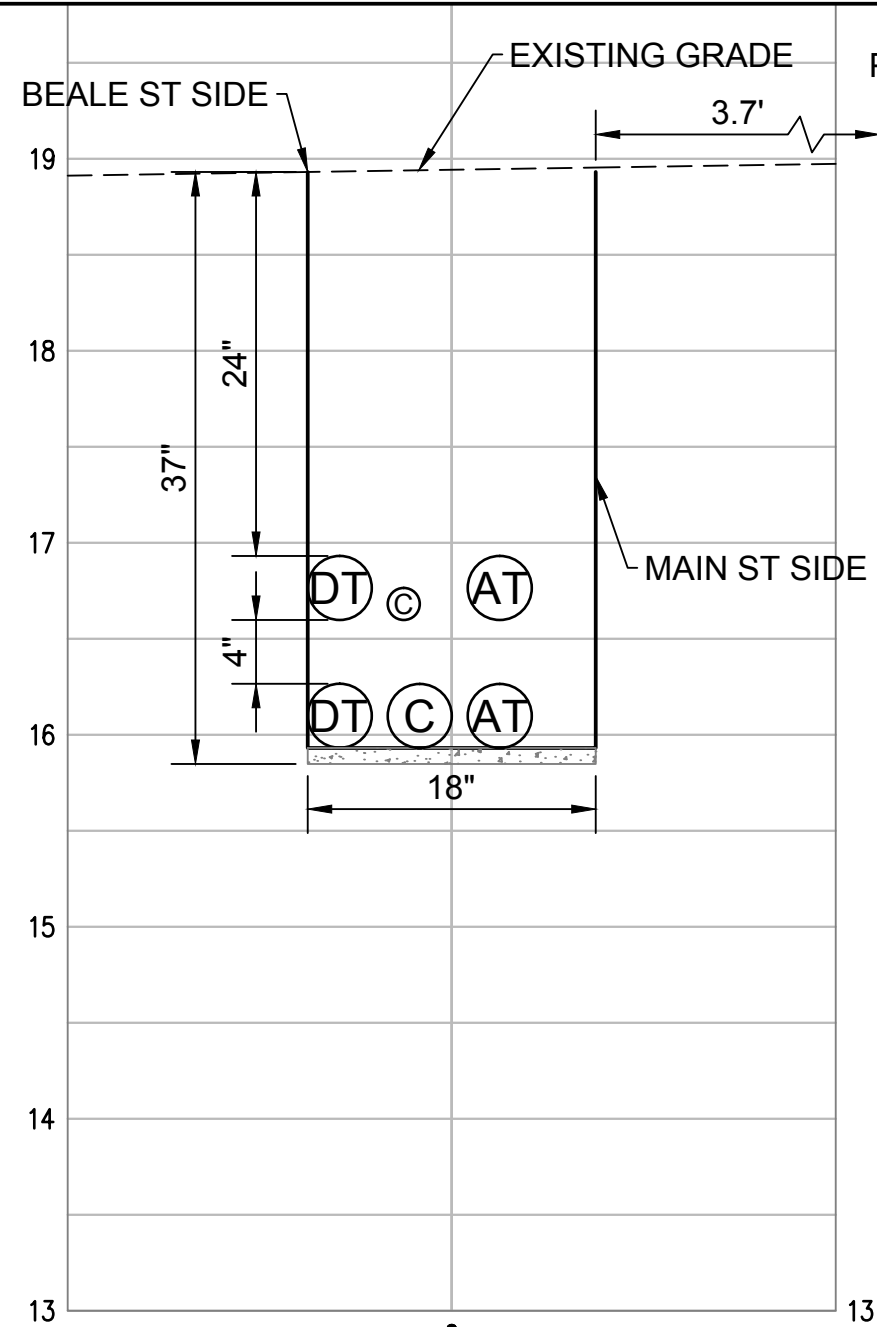
1.01 JOINT TRENCH SECTION

N.T.S.



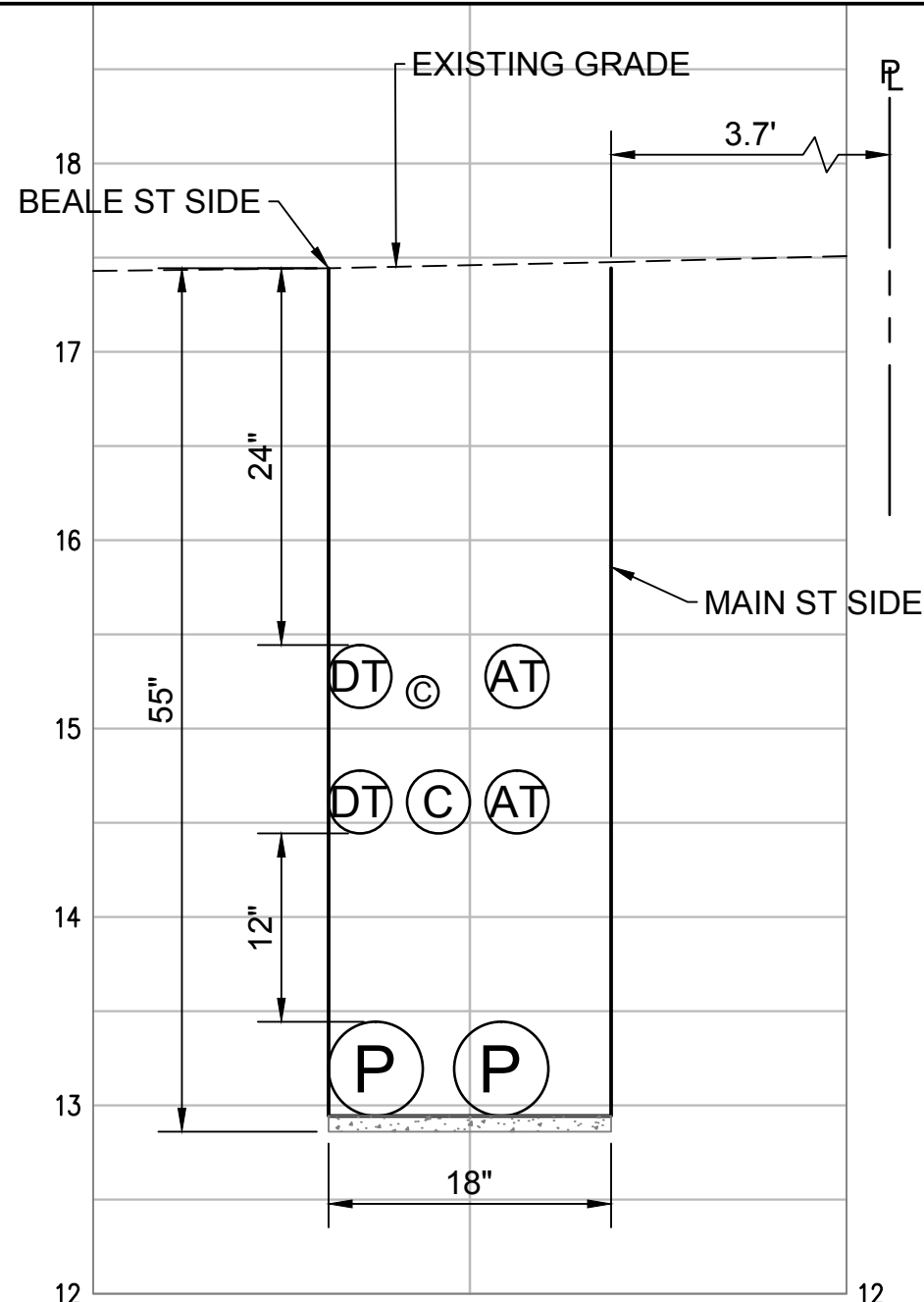
1.02 JOINT TRENCH SECTION

N.T.S.



1.03 JOINT TRENCH SECTION

N.T.S.



1.04 JOINT TRENCH SECTION

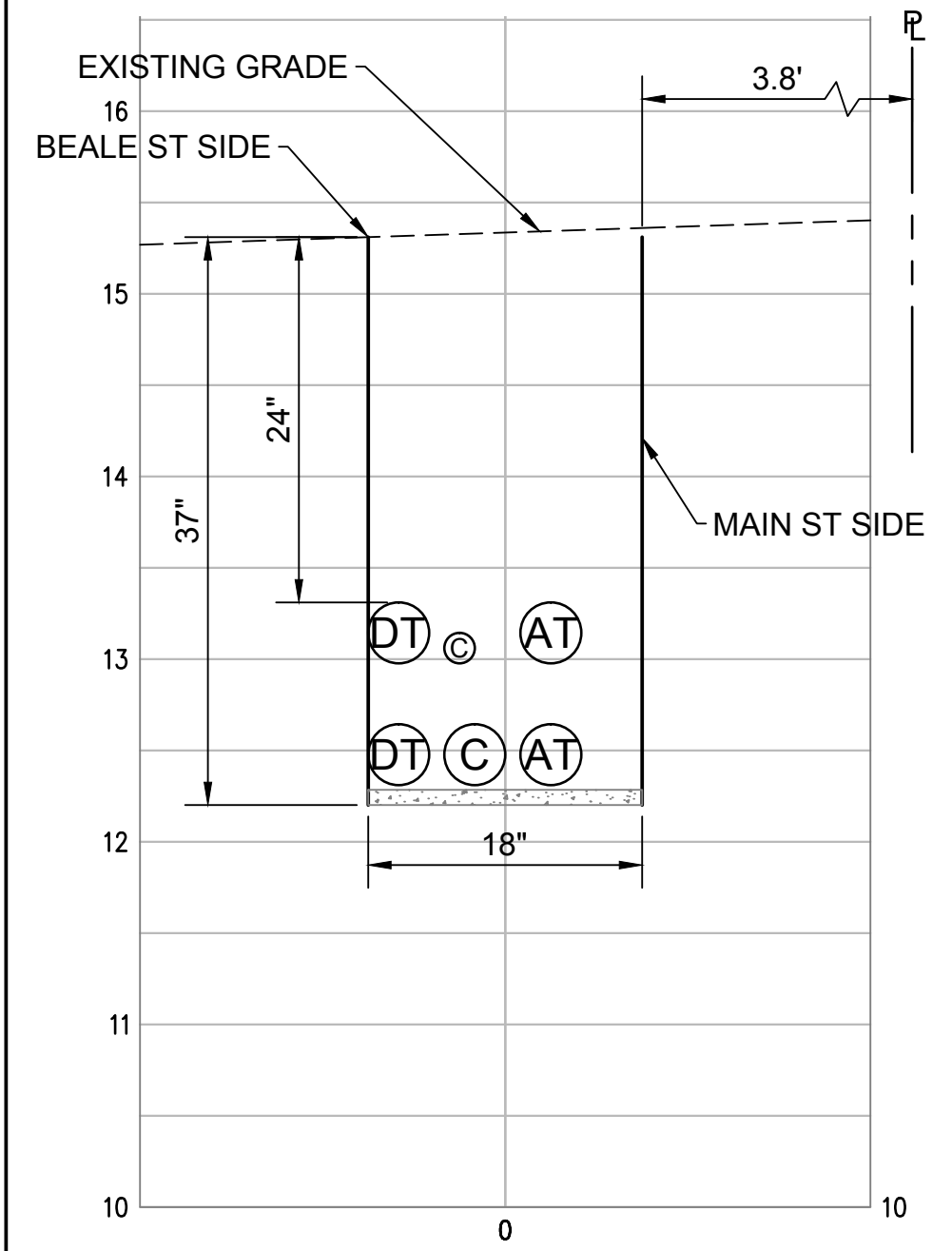
N.T.S.

GENERAL NOTES:

1. TRENCH DEPTH SHOWN IN SECTION VIEWS ARE BASED ON EXISTING UTILITY DATA. FOR REFERENCE ONLY.

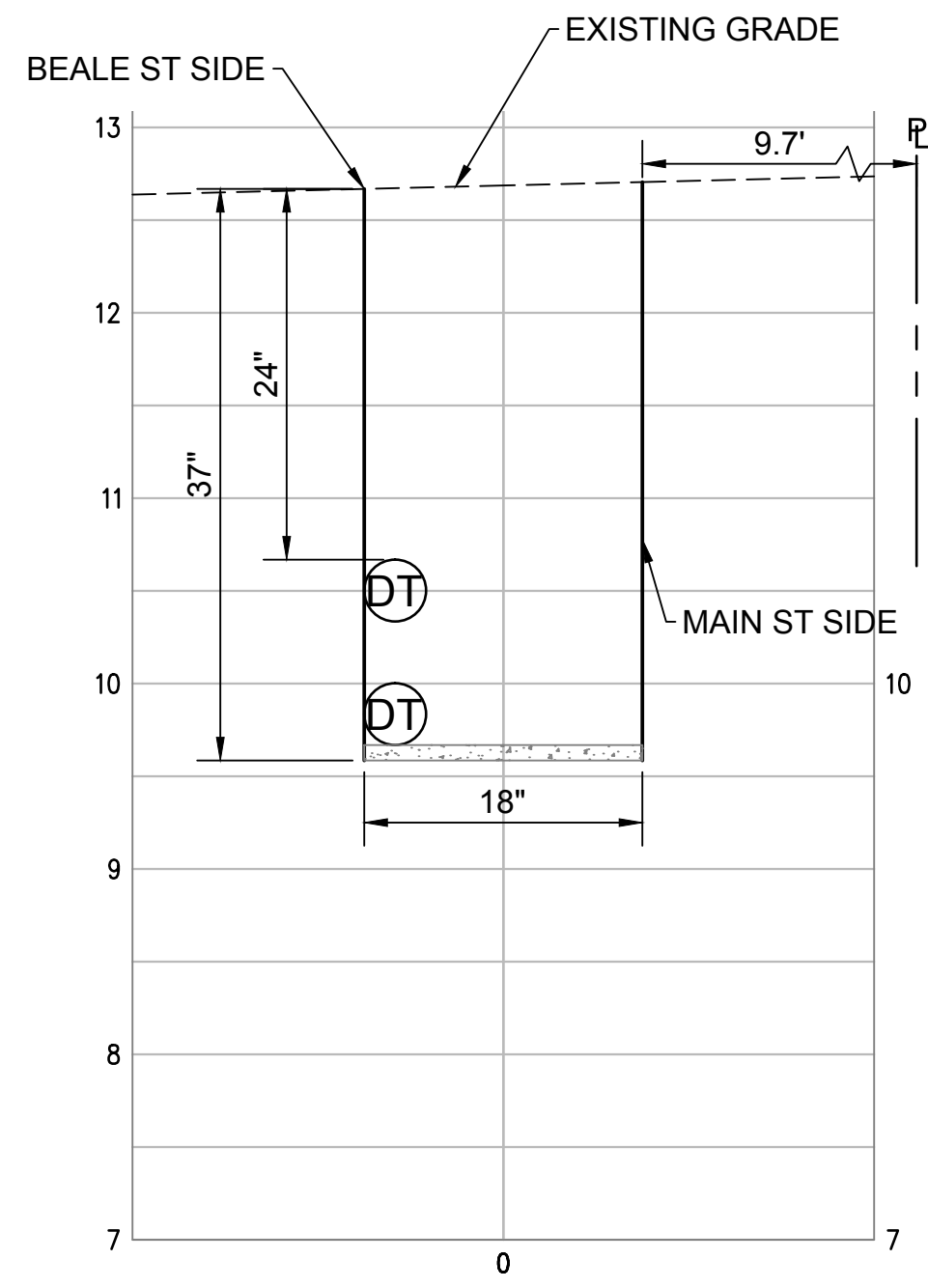
LEGEND:

- P = PRIMARY CONDUIT 4"
- S = SECONDARY CONDUIT 4"
- G = GAS CONDUIT 2"
- AT = AT&T CONDUIT 4"
- C = COMCAST CONDUIT 2" OR 4"
- DT = DEPARTMENT OF TECHNOLOGY 4"
- SL = STREET LIGHT CONDUIT 1.5"



1.05 JOINT TRENCH SECTION

N.T.S.



1.06 JOINT TRENCH SECTION

N.T.S.

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JOINT TRENCH INSTALLATION

MAIN ST.
TRENCH SECTION VIEW

PRELIMINARY
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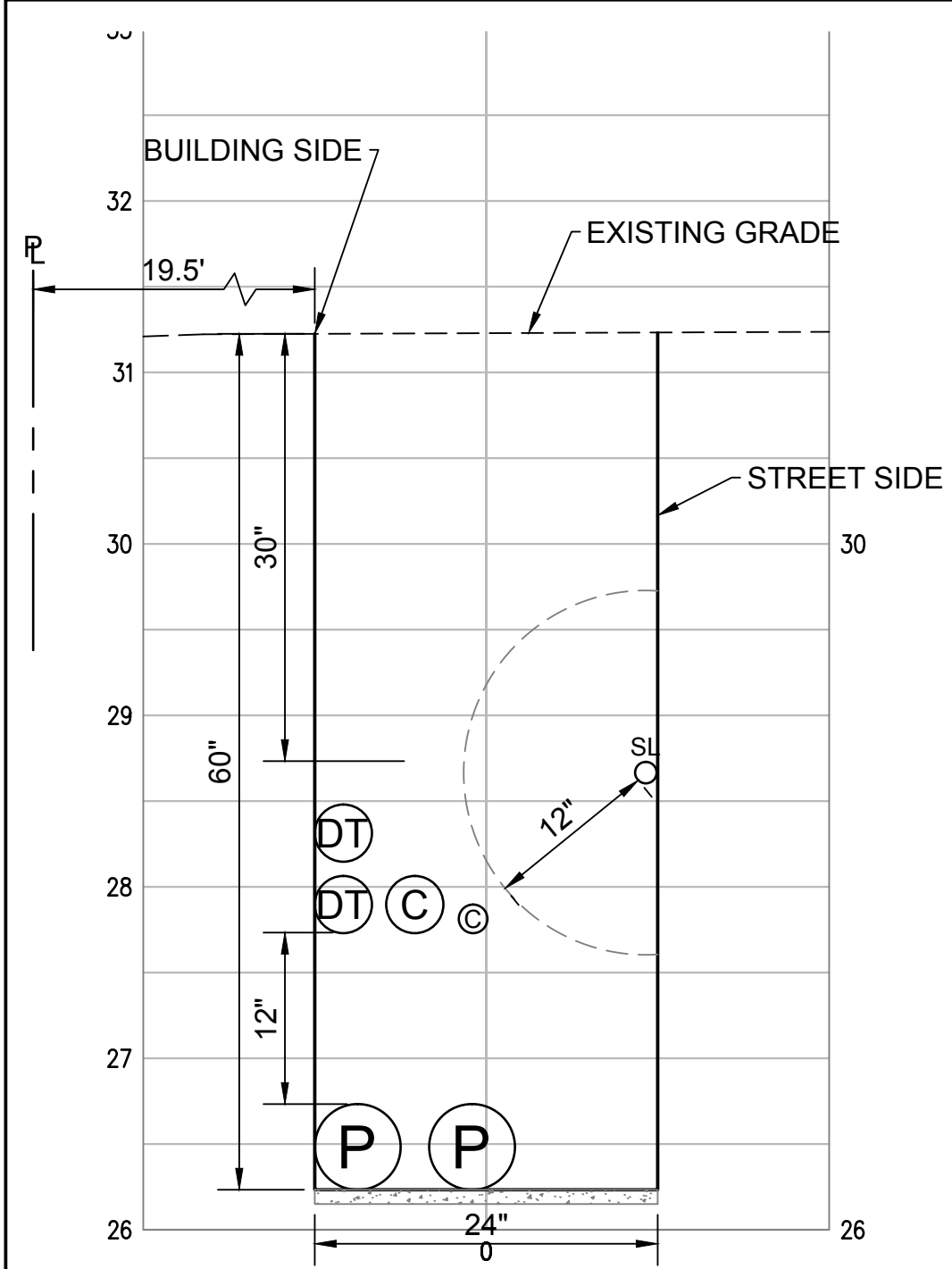
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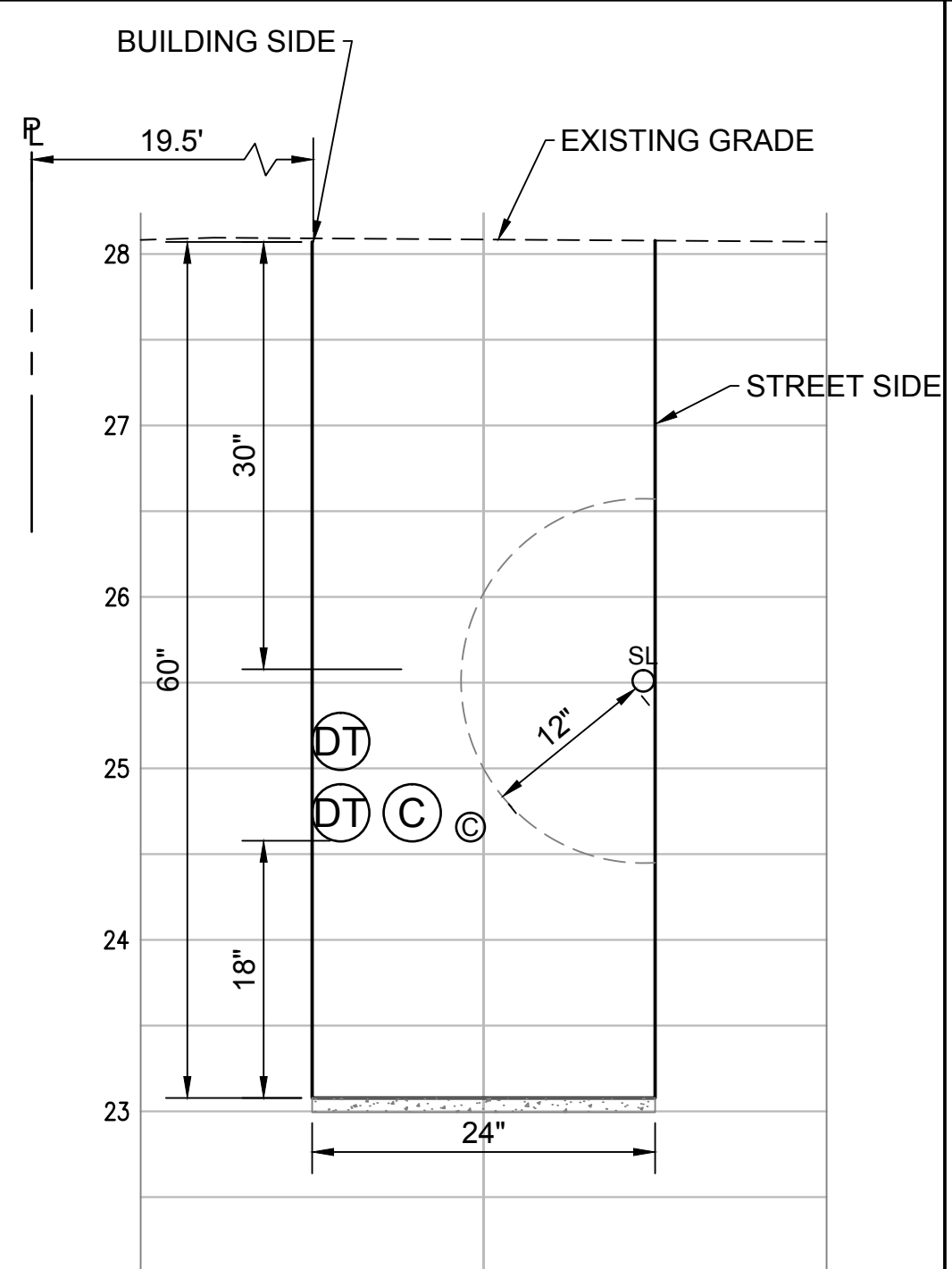
E-4.1

DWG 9 OF 10

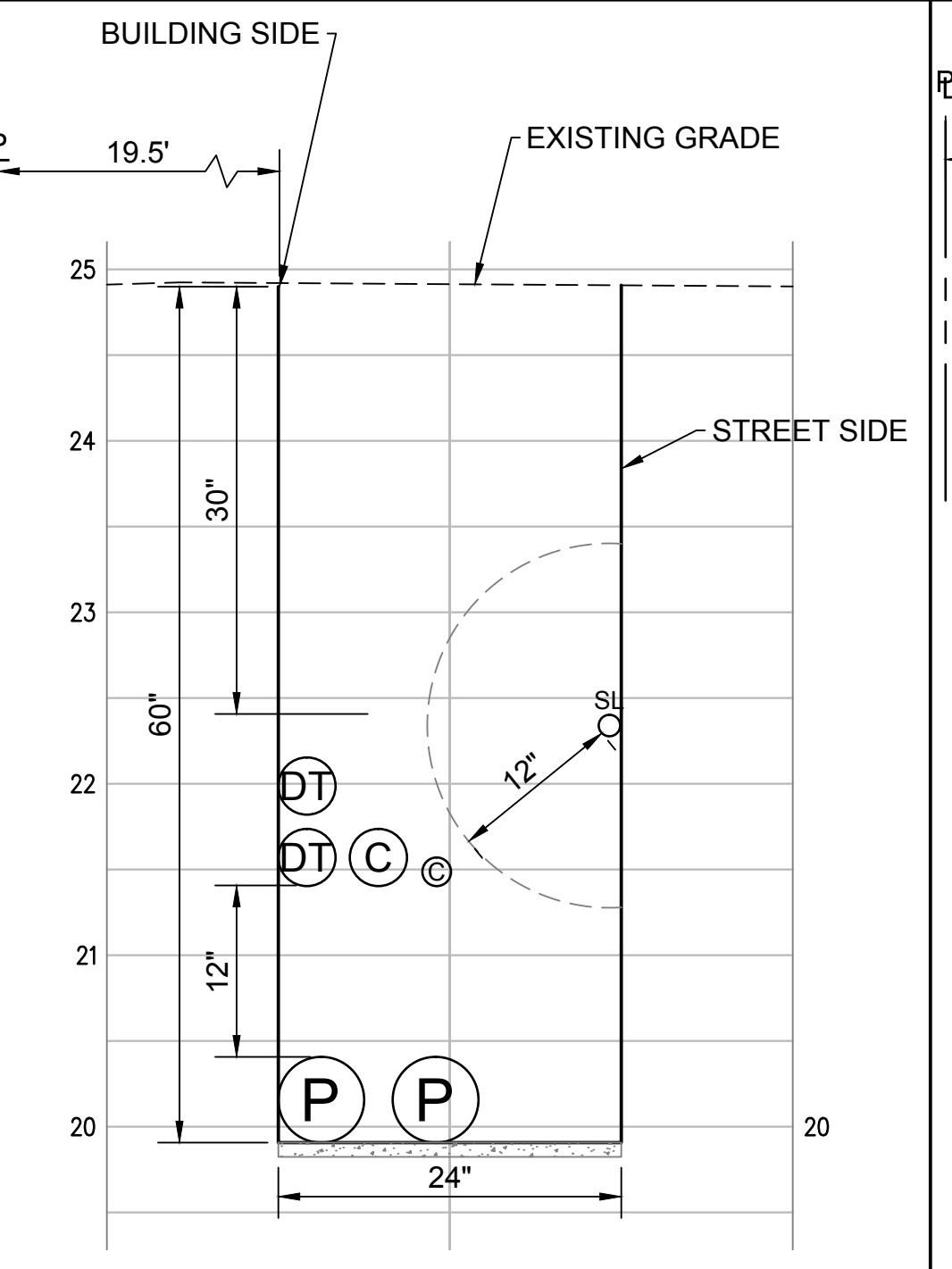
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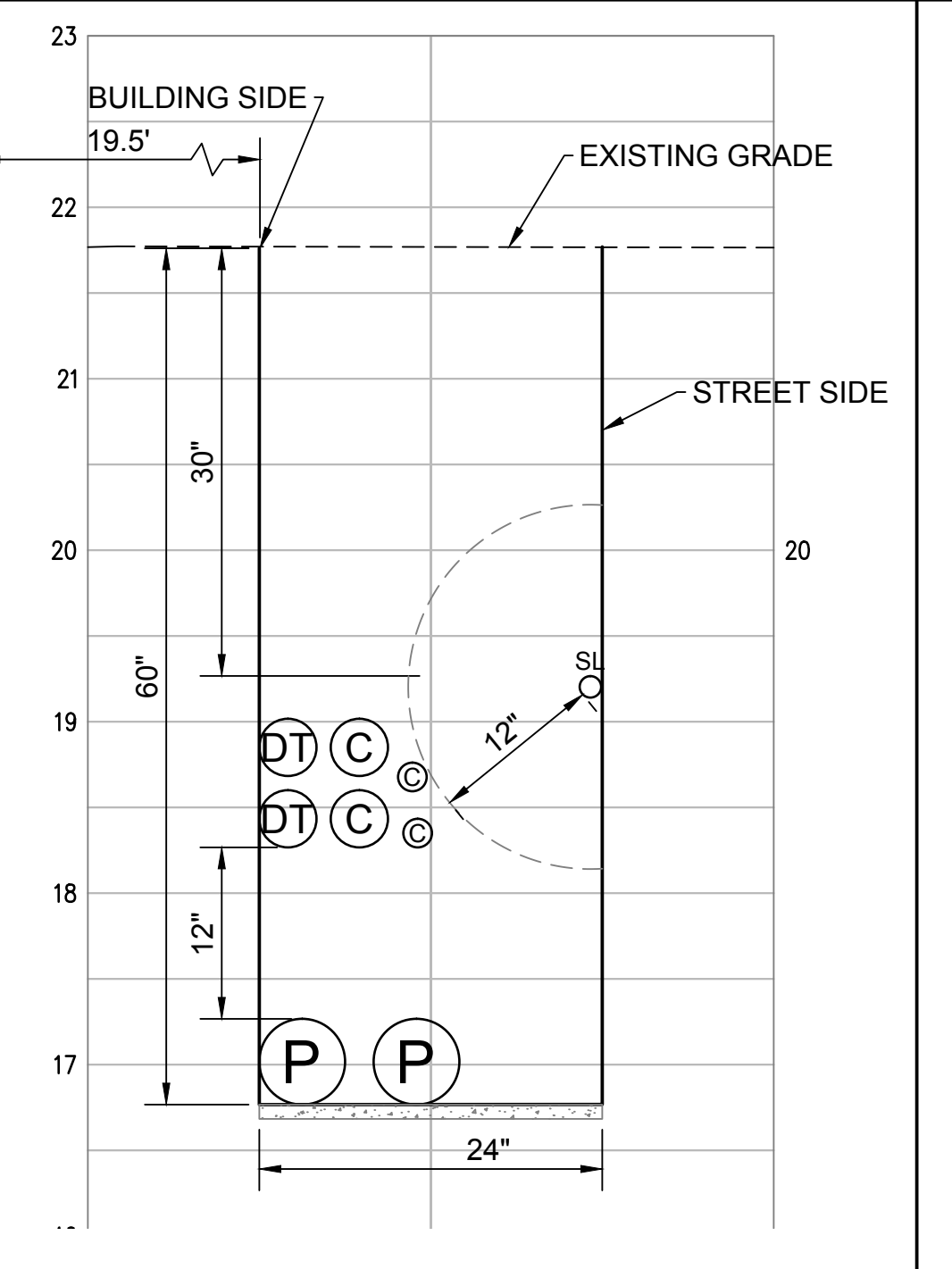
2.01 JOINT TRENCH SECTION N.T.S.



2.02 JOINT TRENCH SECTION N.T.S.



2.03 JOINT TRENCH SECTION N.T.S.



2.04 JOINT TRENCH SECTION N.T.S.

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SHEET #

E-4.2

DWG 10 OF 10